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File: PGPB

May 31, 2007

DOCUMENT-IDENTIFIER: US 20070124684 A1

TITLE: Automatic power saving in a grid environment

Description of Disclosure:

[0030] As noted, management module 108 is responsible for the global or general power management of grid system 100. In particular, management module 108 may be capable of powering any of nodes 102 off, powering any of nodes 102 on, or powering any of nodes 102 to intermediate states that are neither completely on nor completely off, that is, "sleep" or "hibernate" states. Management module 108 may determine the configuration of nodes 102 based on economic costs in order to reduce the total cost of operations of grid system 100. For example, management module 108 may determine which of nodes 102 are powered off or-on based on electrical costs, cooling costs, labor costs, etc. Management module 108 may also consider other cost, such as service costs, equipment purchasing costs, and costs for space for nodes 102. Accordingly, management module 108 may automatically shift workloads to nodes 102 where electricity costs are cheaper for that time of day.

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